

09/268999

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## EAST SEARCH

3/22/02

L#	Hits	Search String	Databases
L1	388	three-dimensional CAD	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
L2	4536	automated assembly	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
L4	66	1 and simulat\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
L5	102	2 and simulat\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
L6	2175	three-dimensional display	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
L7	0	2 and 6	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
L8	416267	collision or interference	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
L11	16	1 and 6	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
L13	1554	assembly display	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
L14	79	disassembly display	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
L15	1613	13 or 14	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
L16	94	15 and simulat\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
L19	26904	manipulator	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
L20	107	2 and 19	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
L21	8	20 and simulat\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
L22	44	manipulator model	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
L3	2	1 and 2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
L9	27	4 and 8	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
L10	30	5 and 8	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
L12	5	11 and simulat\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
L18	13	8 and 16	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
L23	12	22 and simulat\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
L24	49	virtual adj (factory or manufact\$ or assembly)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
L25	24	24 and simulat\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
L26	3	8 and 25	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
L27	11	25 and manipulat\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB

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## EAST SEARCH

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Results of search set L9:(three-dimensional CAD) and simulat\$ and (collision or interference)

Document Kind	Codes	Title	Issue Date	Current OR	Abstract
US 20020032552	A1	Computer aided design system and three-dimensional design method using the	same and storing medium		
US 20020004713	A1	Analysis model data creating method and apparatus, and recording medium	having analysis model data creating program recorded thereon		
US 20010016807	A1	Support system, and computer-readable recording medium in which support	program is recorded		
US 6327553	B1	Injection mold design system and injection mold design method	20011204	703/2	
<u>US 6205367</u>	<u>B1</u>	Apparatus for supporting equipment operability evaluation	20010320	700/98	
US 6192327	B1	Injection mold design system and injection mold design method	20010220	703/2	
US 6167142	A	Object movement simulation apparatus	20001226	382/103	
US 6157902	A	Disassembly route producing apparatus, assembly route producing	apparatus, 20001205	703/7	
US 5995108	A	3D image composition/display apparatus and composition method based on	fr 19991130	345/421	
US 5945994	A	Kinematic-simulation apparatus and kinematic-simulation method with	interference	345/418	
US 5943056	A	Interference checking method	19990824	345/419	
US 5857815	A	Mechanical manipulator	19990112	409/201	
US 5831875	A	Link mechanism analyzer and link mechanism joint data arithmetic	apparatus	703/7	
US 5812402	A	Injection mold design system and injection mold design method	19980922	700/97	
US 5713950	A	Method of replacing heart valves using flexible tubes	19980203	128/898	
US 5703782	A	Method and system for producing 3-D carved signs using automatic tool	path g 19971230	700/182	
US 5675720	A	Method of searching for points of closest approach, and preprocessing	method 19971007	345/419	
US 5590268	A	System and method for evaluating a workspace represented by a	three-dimen: 19961231	345/848	
US 5575597	A	Mechanical manipulator	19961119	409/201	
US 5480424	A	Heart valve replacement using flexible tubes	19960102	623/2.15	
US 5396265	A	Three-dimensional tactile computer input device	19950307	345/158	
US 5197013	A	Method of forming a carved sign using an axially rotating carving tool	19930323	700/182	
JP 200006	A	INTERFERENCE CHECKING METHOD FOR ROBOT ACTION	20000229		
JP 102648	A	CARRIER MOVING SIMULATOR AND CARRIER MOVING SIMULATING METHOD	19981006		
JP 072446	A	PLANT INTEGRATION CAE SYSTEM	19950919		
JP 062027	A	SIMULATION DEVICE FOR THREE-DIMENSIONAL LASER BEAM MACHINE	19940722		
JP 112723	A	Three-dimensional virtual simulator - has operation-simulating execution	unit t 19991008		